VERSION DESCRIPTION DOCUMENT

FOR THE

NASA PERSONNEL/PAYROLL SYSTEM

Software Release

8.6.4

PrISMS Contract

Date: April 09, 2003

National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, Alabama   35812

**VERSION DESCRIPTION DOCUMENT
FOR THE
NASA PERSONNEL/PAYROLL SYSTEM
SOFTWARE RELEASE 8.6.4**

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

April 09, 2003

VERSION DESCRIPTION DOCUMENT
FOR THE
NASA PERSONNEL/PAYROLL SYSTEM
SOFTWARE RELEASE 8.6.4

Approved by

	04/09/03
Marisa Wofford	Date
Consolidation Center Project Manager	

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, AL

April 09, 2003

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APPENDICES

1. __INTRODUCTION__

This Version Description Document (VDD) identifies the exact version of the National Aeronautics and Space Administration (NASA) Personnel/Payroll System (NPPS) software released for installation/implementation.

1.1 IDENTIFICATION OF THE RELEASE

System Name – NPPS

Release Number – Software Release **8.6.4**

The release datasets will be made available to the support Database Administrator (DBA) for installation, at which time all centers will be notified that it has been installed in the appropriate test database.

1.2 PURPOSE OF THE RELEASE

The purpose of this release is to implement the NPPS software allocated for this release in a test environment. The detailed description of the release is specified in Appendix C, Functional Change Validation Procedures.

1.3 SCOPE OF THE RELEASE

The VDD provides the functional and technical user of NPPS with the following information regarding changes to the contents and status of the application, NPPS Release **8.6.4**, including the following:

- Changes implemented since the last release

- References to other documents affected by this release

- Changes to application files and data formats

- Detailed software installation procedures

- Validation procedures to ensure the reliability of the software changes.

1.4   CONTACT POINTS

Sustaining Engineering Support for Agencywide Administrative Systems (SESAAS) provides sustaining engineering for NPPS through the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center located at Marshall Space Flight Center (MSFC). Questions regarding the function and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (use the following Key Words: SESAAS & NPPS)

       Telephone: (256) 544-5516

       E-Mail: billy.graham@msfc.nasa.gov

       FAX: (256) 544-1836

2. <u>FUNCTIONAL INFORMATION</u>

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1 FUNCTIONAL CHANGES

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Predict changes related to this release.

2.2 FUNCTIONAL INTERFACES

Not Applicable

2.3 CRITICAL ISSUES

Not Applicable

2.4 AFFECTED DOCUMENTS

There are no documentation changes for this release

2.5 APPLICATION SYSTEM ADMINISTRATION

Not Applicable

3. TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration.

3.1 TECHNICAL SYSTEM INTERFACES

Not Applicable

3.2 DATA DICTIONARY CHANGES

The data dictionary changes are detailed in Appendix D, Installation Instructions.

3.3 SOFTWARE OBJECT CHANGES

Modified programs are specified in Paragraph 3.2 of Appendix D, Installation Instructions.

3.4 DATABASE ADMINISTRATION

The specific database administration activities for NPPS 8.6.4 are detailed in Appendix D, Installation Instructions.

3.4.1 Release Dataset Names

The datasets for Software Release 8.6.4 are included in the Introduction of Appendix D, Installation Instructions.

3.4.2 Inventory of Objects

An inventory of objects is described in Paragraph 3.2 of Appendix D, Installation Instructions.

3.4.3 Storage Considerations

Not Applicable

3. 4.4 Installation Procedures

Refer to Appendix D, Installation Instructions, for detailed installation procedures.

3.5   OPERATIONAL PREPARATION

Refer to the procedures described in Section 3.4.4 for assistance in preparing for proper installation and operational use of the release.

APPENDIX A
ABBREVIATIONS AND ACRONYMS

ABBREVIATIONS AND ACRONYMS

ADP	Automated Data Processing
CPO	Consolidated Payroll Office
DBA	Database Administrator
DDM	Data Definition Module
DR	Discrepancy Report
EE	Employee Express
EEICD	Employee Express Interface Change Document
FEGLI	Federal Employee Government Life Insurance
HR	Human Resources
ICD	Interface Change Document
IRM	Information Resources Management
JCL	Job Control Language
L&E	Leave and Earnings Statement
MSFC	Marshall Space Flight Center
NACC	NASA ADP Consolidation Center
NASA	National Aeronautics and Space Administration
NPPS	NASA Personnel/Payroll System
RC	Requirements Change
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
VDD	Version Description Document

APPENDIX B
GLOSSARY

GLOSSARY

Consolidation Center

Responsibility for processing and balancing payroll for all centers in the consolidated database.

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs a software release and places it into operational use.

Operational Preparation

Preparation by a NASA site for installation and use of an application release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with an application.

APPENDIX C

**FUNCTIONAL CHANGE VALIDATION
PROCEDURES**

VALIDATION PROCEDURES
SOFTWARE RELEASE 8.6.4
PERSONNEL & PAYROLL

1. **20030027**

   A. **Purpose:** To implement the Retroactive Pay Adjustment.

   B. **Test Procedure**: Run tool DNGRETR1 (either center by center changing dataset names or for the entire agency) via TSO JCL.

   C. **Validation**: Check the output dataset for any apparent anomalies. Check the record count of the file and see if it corresponds with the expected number.

   B. **Test Procedure**: Run tool DNGRETR2 via TSO JCL.

   C. **Validation**: Check the report for any apparent data anomalies. Check specific individuals on the report including someone with locality pay, Sunday differential pay, Night differential pay, Overtime pay, Holiday Worked pay, Hazardous Pay, and Availability Pay. Do a random check of the ADJ screen to make sure that the money on the screen matches the money listed on the report.

   B. **Test Procedure**: Run tool DNGRETR3 via TSO JCL

   C. **Validation**: Check the report for any apparent data anomalies. Check that all centers selected via JCL are present on the report and that the agency totals pages is a summary of all centers that have totals pages.

   B. **Test Procedure**: Run tool DNGRETR4 and DNGRETR5 via TSO JCL

   C. **Validation**: Check the dataset and report for any apparent data anomalies. Randomly check the history data for an employee using the QHISTPP screen and any other necessary files.

   B. **Test Procedure**: Run tool DNGRETR6 and DNGRETR7 via TSO JCL

   C. **Validation**: Check the dataset for any apparent data anomalies. Check random individuals to include someone with no FEGLI coverage, someone with Basic only, someone with Basic and Option B. Make sure their amounts are correct using the QHISTPP screen and manual calculations.

NASA PERSONNEL PAYROLL SYSTEM
RELEASE DESCRIPTION
SOFTWARE RELEASE 8.6.4
APRIL 09, 2003

The purpose of this release is to implement the changes allocated to software release 8.6.4 described below.

SOFTWARE RELEASE 8.6.4

RC 1620s IMPLEMENTED

CCR	Description
20030027	Retroactive Pay Adjustment

***** **RECORD COUNT = 01**

APPENDIX D
INSTALLATION INSTRUCTIONS

NASA PERSONNEL PAYROLL SYSTEM
RELEASE DESCRIPTION
SOFTWARE RELEASE 8.6.4
April 09, 2003

Introduction

Release Date – April 09, 2003

Release Inventory:

Dataset Names:

The following dataset is located on the transient storage DASD volumes under the following dataset name:

- MSMOV.NPPS.PROD.R864.R0403.SRC

Physical media:
    VDD

In case of installation problems contact the NACC Technical Services Center (Use following Key Words: SESAAS & NPPS):

Telephone:	(256) 544-5516
E-Mail:	billy.graham@msfc.nasa.gov
Fax:	(256) 544-1836

Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. Applicable sections are listed in the Installation Checklist.

 1.0 Backup Existing Data
 2.0 Copy Source/Object Code
 3.0 Pre-Predict Data Conversion
 4.0 Install Predict
 5.0 Install Data Glossary
 6.0 Catalogue Source Code
 7.0 Post-Predict Data Conversion
 8.0 JCL/BJS/Xerox Modifications
 9.0 Special Instructions
10.0 Installation Checklist

1.0   BACKUP EXISTING DATA

It is advisable to back up all NPPS files as a precautionary measure prior to installation of software release.

2.0   COPY SOURCE

2.1   Copy Source Modules

When installing software release 8.6.4, load the NPPS new and modified programs from dataset MSMOV.NPPS.PROD.R864.R0403.SRC using the Natural utility NATLOAD. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library NPPS, replacing any existing programs of the same name. The source module counts included in this release are listed below:

Natural Source Modules by Type

Global Data Areas	0
Copycode	0
Maps	5
Helproutines	0
Subroutines	0
Subprograms	0
Local/Param Data Areas	0
Programs	7
Text	0
Process	0
Miscellaneous Objects	0

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Total Programming Objects	12
Total Views Unloaded	0
Total Objects Read	12
Total Object Unloaded	12

2.2　List of Source Code Modifications

Not Applicable

2.3　List of Source Code Additions

The following is a list of all modules that were created for the software release 8.6.4.

Module	Description
DNGRETR1	Create Change to Norm File
DNGRETR2	Update and Create Detail Report
DNGRETR3	Create Summary Report
DNGRETR4	Create Employee Inactive History File
DNGRETR5	Create Emp Inactive History Report
DNGRETR6	Create FEGLI Adjustment File
DNGRETR7	Create FEGLI Adjustment Report
DNGMRET2	Retroactive Pay Detail Report
DNGMRET3	Retroactive Pay Summary Report
DNGMRET4	Retroactive Pay
DNGMRET5	Retroactive Pay History Report
DNGMRET7	Retroactive Pay FEGLI Report

RELEASE PROGRAMS (NEW) ==> 11

2.4   List of Source Code Deletions

Not applicable

3.0   PRE-PREDICT DATA CONVERSION

Not applicable

4.0   INSTALL PREDICT

4.1   Data Dictionary Changes

Not applicable

4.1.1   Inventory of Objects

Not applicable

4.1.2   Storage Considerations

Not applicable

4.1.3   Physical File Changes

Not applicable

5.0   INSTALL DATA GLOSSARY

Not applicable

6.0   CATALOG SOURCE CODE

When installing software release 8.6.4, run a batch job to catalog (CATALL) all modules in the NPPS or other named library. It is not necessary to catalog the Global Data Area. The Batch standard parameters should be used for the compile.

After objects are compiled, the NPPS application will run under the On-line standard parameters.

7.0   POST-PREDICT DATA CONVERSION

Not applicable

8.0   JCL/BJS/Xerox MODIFICATIONS

JCL/BJS

JCL will be provided to the NPPS Operational Support team to run all tools via TSO. The JCL will be provided for each tool to be run standalone and may be combined to run them in a string. The centers selected are fed in from the JCL itself.

9.0   SPECIAL INSTRUCTIONS

9.1   Update NPPS Release Number

The following process will update the NPPS software numbers:
1.   Execute program TOOLVRSN from the Natural Command line.
2.   When installing software release 8.6.4, enter "8.6.4" for software version number.
3.   Press ENTER; a confirmation message displays.
4.   Press PF3 to exit the program.

9.2   Applicable Tables Updates

The TLOA table must be updated (and Job 9 (CA00009) run) before any of the programs in this release are run. The TLOA Table updates were released with NPPS Tables Release 2.3.1.

10.0   INSTALLATION CHECKLIST

1.0   Backup Existing Data
2.0   Copy Source/Object Code
6.0   Catalogue Source Code
8.0   JCL/BJS/Xerox Modifications
9.0   Special Instructions
10.0   Installation Checklist